

Thursday, 7/19/2007 2:28:03 PM
Kim Johnston

Process Sheet

Customer	: CU-DAR001 Dart Helicopters Services	Drawing Name	: SADDLE BILLET
Job Number	: 33679		
Estimate Number	: 10032		
P.O. Number	: <i>N/A</i>	Part Number	: D6101001
This Issue	: 7/19/2007 S.O. No. : <i>N/A</i>	Drawing Number	: D6101 REV A
Prsht Rev.	: NC	Project Number	: N/A
First Issue	: <i>N/A</i> Type : MACHINED PARTS	Drawing Revision	: A
Previous Run	: 31386	Material	: <i>N/A</i>
Written By	: <i>[Signature]</i>	Due Date	: 8/6/2007
Checked & Approved By	: <i>[Signature]</i>	Qty:	40 Um: Each
Comment	: Est. B: 01.05.04 New Issue EC		

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description :

1.0

PG

PURCHASING



Comment: PURCHASING

Issue P/O: *4230*

c207107120
(40)

a)Description: Aluminum billet

b) 6.00" x 6.250" x 2.00" thick

c) Tolerance on length are +0.025"/-0.000" AE+/-0.008"

d) Grain direction along 6.00" length

e) Material: 7075-T7351 (QQ-A-250/12)

f)Material certification required

2.0

D6101001P

7075-T7351 2X6X6.25



Comment: Qty.: 1.0000 Each(s)/Unit Total : 40.0000 Each(s)

7075-T7351 2X6X6.25

3.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Receive & Inspect For Transit Damage

Ensure material certification is attached

7/8/9 *sq* *(40X)*

4.0

QC6

DIMENSIONAL CHECK



Comment: DIMENSIONAL CHECK

Ensure Material certification comply to Dwg D

sm 07/08/10 *(41)*

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: D Date: 02/08/10

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: SADDLE BILLET

Job Number: 33679

Part Number: D6101001

Job Number:



Seq. #:

Machine Or Operation:

Description :

5.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: _____

C/L 7/108/10 (41)

6.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

C/L 7/108/10 (41)

Job Completion



C/L 7/108/10

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

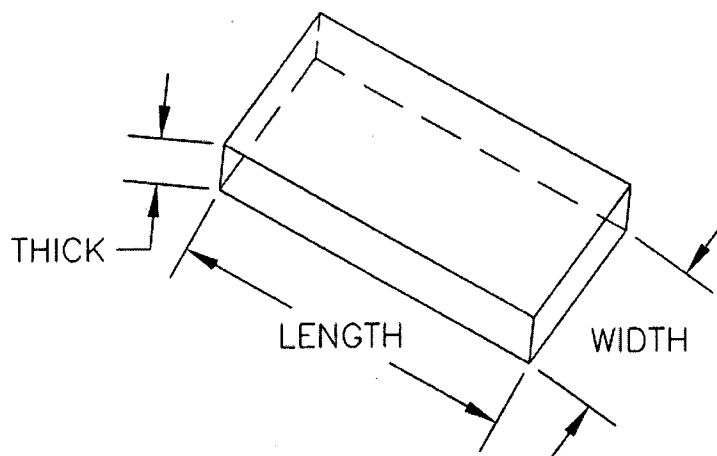
NOTE: Date & initial all entries



DESIGN <i>CP</i>	DRAWN BY <i>CP</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>#</i>	APPROVED <i>JS</i>	DRAWING NO. D6101	Rev. A SHEET 1 OF 1
DATE 01.03.30		TITLE SADDLE BILLET, 7075	SCALE NTS
A	01.03.30	NEW ISSUE	

SPECIFICATION CONTROL DRAWING

RELEASED
01.04.23 *#*



PURCHASE MATERIAL ACCORDING TO THE FOLLOWING TABLE. SPECIFY ALLOY, LENGTH x WIDTH x THICK (+0.030/-0.000), AND GRAIN DIRECTION AS SHOWN.

TOLERANCES ON ALL DIMENSIONS ARE +0.030/-0.000.

ALL DIMENSIONS ARE IN INCHES.

Part No.	Alloy	Length	Width	Thick	Grain Direction
D6101-001	7075-T7351 (QQ-A-250/12)	6.000	6.250	2.000	Along 6.000 Length
D6101-003	7075-T7351 (QQ-A-250/12)	7.875	6.250	2.000	Along 7.875 Length
D6101-005	7075-T7351 (QQ-A-250/12)	5.000	8.250	2.500	Along 5.000 Length
D6101-007	7075-T7351 (QQ-A-250/12)	7.750	8.250	2.500	Along 7.750 Length
D6101-009	7075-T7351 (QQ-A-250/12)	8.700	8.250	2.500	Along 8.700 Length
D6101-011	7075-T7351 (QQ-A-250/12)	9.700	8.250	2.500	Along 9.700 Length
D6101-013	7075-T7351 (QQ-A-250/12)	10.100	8.250	2.500	Along 10.10 Length

COPY
TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO 33679

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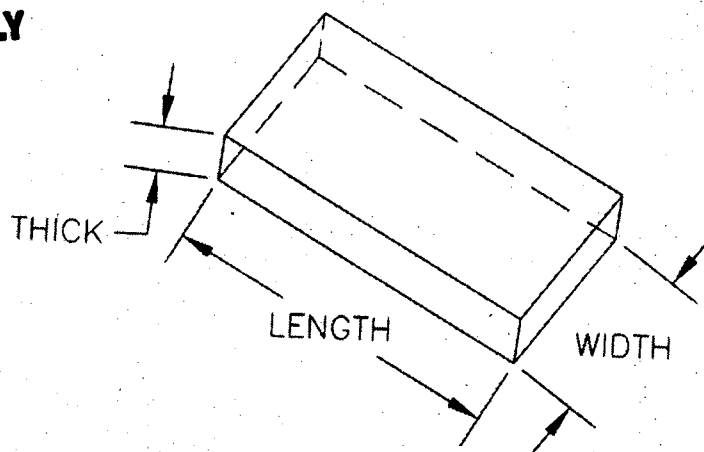


DESIGN <i>CP</i>	DRAWN BY <i>CP</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>A</i>	APPROVED <i>AS</i>	DRAWING NO. D6101	Rev. A SHEET 1 OF 1
DATE 01.03.30		TITLE SADDLE BILLET, 7075	SCALE NTS
A	01.03.30	NEW ISSUE	

SPECIFICATION CONTROL DRAWING

REFERENCE ONLY

RELEASED
01.04.23 *A*



PURCHASE MATERIAL ACCORDING TO THE FOLLOWING TABLE. SPECIFY ALLOY, LENGTH x WIDTH x THICK (+0.030/-0.000), AND GRAIN DIRECTION AS SHOWN.

TOLERANCES ON ALL DIMENSIONS ARE +0.030/-0.000.

ALL DIMENSIONS ARE IN INCHES.

Part No.	Alloy	Length	Width	Thick	Grain Direction
D6101-001	7075-T7351 (QQ-A-250/12)	6.000	6.250	2.000	Along 6.000 Length
D6101-003	7075-T7351 (QQ-A-250/12)	7.875	6.250	2.000	Along 7.875 Length
D6101-005	7075-T7351 (QQ-A-250/12)	5.000	8.250	2.500	Along 5.000 Length
D6101-007	7075-T7351 (QQ-A-250/12)	7.750	8.250	2.500	Along 7.750 Length
D6101-009	7075-T7351 (QQ-A-250/12)	8.700	8.250	2.500	Along 8.700 Length
D6101-011	7075-T7351 (QQ-A-250/12)	9.700	8.250	2.500	Along 9.700 Length
D6101-013	7075-T7351 (QQ-A-250/12)	10.100	8.250	2.500	Along 10.10 Length

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31 354600 973332 01		Métaux Castle®		A.M. CASTLE & Co. (Canada) Inc.		EXPÉDIE 08 AOUT 2007	
REQUISITION CLIENT/CUSTOMER REQUISITION NO.		NO. COM. CLIENT-CUST. ORD. NO. 4230		COULÉE/CAST: 91037 220 40		EXPÉDIE PAR-SHIP VIA TRUCK MANITOULIN	
METEUR-PURCHASING AGENT LINDA LACELLE		TELEPHONE 613 632-3336		NO. TIME NO. COM. ORD. 9 0 1		REGION LIVRAISON-DEL. ZONE C/C	
PRE-PAID		BILL		NO. FEUILLE/EMBALLAGE-B/L NUMBER		ROUTE 01-NL-08/0 31-NL-08/0	
RE A-SHIP TO:		VENDU A SOLD TO: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY ON K6A 1K7		INFORMATION CREDIT-CREDIT INFORMATION		INSTRUCTIONS LIVRAISON (CONT.)-DELIVERY (CONT'D.)	
STRUCTURES LIVRAISON-DELIVERY ING-858568		INSTRUCTIONS LIVRAISON (CONT.)-DELIVERY (CONT'D.)					
DESCRIPTION - ITEM 1 2.0200 PLATE 7075-T9551 ALUM 6.25" X 6.00"		BLACK W/RED STRIPE		COULÉE INFO-HEAT INFO QTE-QTY 39318 AS (200) 2 323461 15 350421 (6000) 18		FORME-SHAPE I.A.C. 6857	
CERTIFICAT DE CONFORMITE A.M. Castle & Co. (Canada) Inc. certifie que le matériel fourni D'après ce document, satisfait aux spécifications et est conforme aux spécifications du produit(s) décrit(s) ci-dessus. A.M. Castle & Co. (Canada) Inc.		INSTRUCTIONS TOL: +.0030"/-.0030" THICKNESS TOL: +.0030"/-.0030" SKAIN TO RUN ALONG 6.00" PRICR DIST/ORD: 51-973332		INSTRUCTIONS (CONT'D.) 40x 6.25" x 6.00"		FORME-SHAPE I.A.C. 4	
POIDS POUR EXPEDITION SEULEMENT. VOIR FRACTURE POUR LE POID EXACT. FRACTURE. SVP SIGNER ET DATER LA COPIE DU CHAUFFEUR POUR RECEPTION DU MATERIALE, SI VERIFIE, CERTIFICAT D'ANALYSE.							
DESCRIPTION - ITEM 2		INSTRUCTIONS		COULÉE INFO-HEAT INFO QTE-QTY		FORME-SHAPE I.A.C.	
TERMES ET CONDITIONS DE VENTES DESABEU DES GARANTIES ET RESTRICTION DE RESPONSABILITE AU VERSO		1 Box		INSTRUCTIONS (CONT'D.)		FORME-SHAPE I.A.C.	
DESCRIPTION - ITEM 3		INSTRUCTIONS		COULÉE INFO-HEAT INFO QTE-QTY		FORME-SHAPE I.A.C.	
TOUTES DIFFERENCES OU DOMMAGES DOIVENT ETRE INDIQUE SUR LA COPIE RECULIVRAISON ET LA FEUILLE D'EMBALLAGE ET SIGNÉ PAR LE CHAUFFEUR ET LE CLIENT. UNE COPIE DE CE RESU DOIVENT TOUJOURS ETRE SOIGNEES DANS LES 10 JOURS LORSQU'UN ORDRE EST REÇU.		INSTRUCTIONS (CONT'D.)		INSTRUCTIONS (CONT'D.)		FORME-SHAPE I.A.C.	
NOM/LETTRE/MOULE/HOME (PRINT ONLY)							
RECUL PAR-RECEIVED BY		DATE RECVL					

T-413 P005/013 F-189

514-695-3281

10-08-07 07:51 FROM-metals castle

Page 2

T-580 P002/V021 E-654

KALISER ALUMINUM

Serial Number
4034045

Transect	Date & Time	Latitude (N)	Longitude (W)	Elevation (m)
T1004	04/17/2004	48°05'15"N	121°15'15"W	114 ± 10.0
T1001	07/27/2004	48°05'15"N	121°15'15"W	114 ± 10.0

Conductivity (µS/cm):	41.9 µm
(mhos):	84.9 µm

Chemical	BE	FE	CU	NH	MS	CR	2M	TI	V	2H	TOT	OTHER
Alcohol	8.09	8.39	1.46	0.08	2.45	0.21	5.87	0.03	0.01	0.04		0.03

Audrey Linette

	Overdried	8	FE	CU	MN	MO	CR	ZN	P	V	ZR	CINRS	NH ₄
TOTL WGT.	0.62	0.62	1.20	0.98	2.49	0.18	6.78	0.07	0.50	0.62	BQD	0.99	0.99
WAT	0.40	0.40	1.07		2.49	0.39	6.10	0.23	0.65	0.65	YOF		0.15

TEST NOTES
Model represented by this test report was prepared independently based from one with and across the Case A and Case B requirements of all specified and referenced on this test report.

IDENTIFICATION

ALL INFORMATION, LABORATORIES SUPPORTED

12

T-413 P008/013 F-189

514-695-3281

10-08-'07 07:52 FROM-metalex castle

05-11-'07 02:30 FROM-

T-104 P008/008 F-189

ALCAN
ROLLED PRODUCTSCERTIFIED TEST REPORT
RAVENSWOOD, WV 26044 USAA M CASTLE & CO
3400 NO WOLF ROAD
FRANKLIN PARK IL

60131

A M CASTLE & CO
3400 NO WOLF ROAD
FRANKLIN PARK IL

60131

A M CASTLE 997701 1512 INCLUSION SERIAL#: 20070430997701 PAGE 1 OF 2

ALCAN ORDER NO.		ALCAN ORDER NO.	
01-83993	113-581105		
ALLOY	TEMPER	THICKNESS	LENGTH
7075	00 T7351	2.0000	48.500 144.500
DIST. AEROSPACE/MILITARY SPEC PLATE, SAVED MILL			
CUSTOMER INFORMATION AMS-00-A-250/12			
PART NUMBER	INCL NUMBER	DATE SHIPPED	
	997701	04/30/07	
WEIGHT SHIPPED	NO. OF PIECES	GOVT. CONTRACT NO.	
5,740	4		

CERTIFICATION

"ALCAN Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on ALCAN Rolled Products' standard General Terms and Conditions of Sale. Test reports are on file, subject to examination."

ALCAN ROLLED PRODUCTS
P.O. BOX 80

RAVENSWOOD, WV 26044 USA

Under & Sales - Castle Metals

LOT NUMBER	TEST DIRECTION	NO. OF TESTS	TENSILE STRENGTH KSI		YIELD STRENGTH KSI		ELONGATION %		COND % IACS									
			MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX								
337461	LT	2	71.3	73.1	60.4	62.5	11.5	11.5	40.6	40.7								
ALL NOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS																		
MIL-STD-2154 100%SONIC TESTED MINUS DEAD ZONE CLASS A																		
ALSO CONFORMS TO AMS 4078E, ASTM B209-04 & ASTM B-514																		
ALSO CONFORMS TO BSS 7055 CL A SONIC																		
CASTLE METALS FP																		
DATE REC'D 5/4/07 JAC 16857																		
APPROVED BY: REC																		
ALLOY	SILICON		IRON		COPPER		MANGANESE		NICKEL		CHROMIUM		ZINC		TITANIUM		OTHERS	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
SEE ACTUAL	CHEMICAL COMPOSITION																	

P-000-1500 (1/00)

T-164 PUMPS/LOOPS F-030



 Accredited
adcop
Materials Testing Laboratories

PAUSE/STOPPED. WHY? 38004 LBS.

A N CASTLE & CO
3400 NO WOLF ROAD
FRANKLIN PARK IL

60131

A H CASTLE 997701 1512 INCLUSION SERIAL#: 20070430997701 PAGE 2 OF 2

CUSTOMER PURCHASE ORDER REF. # 01-059993				ALCAN ORDER NO. 113-581195	
ALLOY 7075	SIZE 00	TEMPER T7351	GRADE 2.0000	WIDTH 48.500	LENGTH 144.500
NEW OR REPLACE					
DIST. AEROSPACE/MILITARY SPEC PLATE, SAWED MILL QUALIFIER SPECIFICATION					
AMS-80-A-250/12					
PART NUMBER		BACKLASH		DATE SHIPPED	
		997700		04/30/07	
WEIGHT SHIPPED		NO. OF PIECES		COUNTRY OF ORIGIN	
8.760		6		USA	

CERTIFICATION

"ALCAN Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on ALCAN Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination."

ALCAN ROLLED PRODUCTS
P.O. BOX 68
DAVENPORT, WV 26048 USA
Deborah B. Smith
Deborah B. Smith - Quality Manager

LOT NUMBER	TEST DESCRIPTION	NO. OF TESTS	ULTIMATE STRENGTH K.S.I.		YIELD STRENGTH K.S.I.		ELONGATION %		COND. % IACS											
			MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.										
ACTUAL CHEMICAL COMPOSITION																				
337481	SI= 0.06 OTHERS-EACH: .05		FE= 0.18	CU= 1.40	MN= 0.05	MG= 2.55	CR= 0.19	ZN= 5.63	TI= 0.02											
MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER																				
THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE.																				
THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.																				
CHEMISTRY BY OES: ARKSPARK																				
CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT.																				
WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399.																				
WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; 3557.																				
"END OF CERTIFICATION"																				
SPEC MIN	ALLOY	SILICON		IRON		COPPER		MANGANESE		NICKEL		CHROMIUM		ZINC		TITANIUM		OTHERS		
		MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	
		SEE ACTUAL CHEMICAL COMPOSITION																		
APPROVED BY QUALITY CONTROL																				

P-959-1069100

85-02-'07 09:04 FROM-

ALCAN
ROLLED PRODUCTST-413 P010/013 F-189
CERTIFIED TEST REPORT
RAVENSWOOD, NY 10964 USAA M CASTLE & CO
3400 NO WOLF ROAD
FRANKLIN PARK ILA M CASTLE & CO
3400 NO WOLF ROAD
FRANKLIN PARK IL

60131

60131

ALCAN CASTLE A02301 1512 INCLUSION SERIAL#: 20070430A02301 PAGE 1 OF 2

CUSTOMER PURCHASE ORDER NO. & ITEM: 01-04320

ALCAN ORDER NO.: 113-501187

DATE: 08/08/07

QUANTITY: 2.00000

WIDTH: 48.500

LENGTH: 144.500

DIST. AEROSPACE/COMM.
SPEC PLATE, SAWED MILL

AMS-90-A-250/12

DATE SHIPPED: 04/30/07

QUANTITY SHIPPED: 5,740

DATE OF PRICES: 4

DATE OF CONTINUITY: 4

CERTIFICATION
"ALCAN Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on ALCAN Rolled Product standard General Terms and Conditions of Sales. Test reports are on file, subject to examination."

ALCAN ROLLED PRODUCTS
P.O. BOX 66
RAVENSWOOD, NY 10964 USA
L. J. Smith - Quality Manager

LOT NUMBER	TEST DIRECTION	NO. OF TESTS	ULTIMATE STRENGTH K.S.I.		YIELD STRENGTH K.S.I.		ELONGATION %		COND. % IACS								
			MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.							
350431	LT	2	72.0	72.0	61.3	61.5	12.0	12.5	41.3	41.5							
ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS																	
NIL-STD-2154 100% SONIC TESTED MINUS DEAD ZONE CLASS A																	
ALSO CONFORMS TO AMS 4078E, ASTM B209, BSS 7055 CL A																	
ALSO CONFORMS TO BAC ASTM B594																	
CASTLE METALS CORP. DATE RCVD 5/2/07 IAC 6857 APPROVED BY 410-330																	
CHEMICAL ANALYSIS	ALUMINUM		IRON		COPPER		MANGANESE		MAGNESIUM		CHROMIUM		ZINC		TITANIUM		OTHERS
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	PERCENT TOTAL MAX. ALLOWED
	SEE ACTUAL CHEMICAL COMPOSITION																
ALUMINUM REMAINDER																	

P-900-1000-1-000

T-413 P011/013 F-189

514-695-3281

10-08-'07 07:52 FROM-metalex castle

05-02-'07 09:04 FROM-

ALCAN
ROLLED PRODUCTST-488 P039/044 F-510
CERTIFIED TEST REPORT
RAVENSWOOD, NY 05184 USAA M CASTLE & CO
3400 NO WOLF ROAD
FRANKLIN PARK IL

60131

A M CASTLE & CO
3400 NO WOLF ROAD
FRANKLIN PARK IL

60131

A M CASTLE A02301 1512 INCLUSION SERIAL#: 20070430A02301 PAGE 2 OF 2

ALCAN ORDER NO.		ALCAN ORDER NO.		ALCAN ORDER NO.	
01-06320		113-581187			
ALLOY	CLAD	TEMPER	GAUGE	WIDTH	LENGTH
7075	00	T7351	2.0000	48.500	144.500
DIST. AEROSPACE/COMM. SPEC PLATE, SAWED MILL					
AHS-QQ-A-250/12					
PART NUMBER		QUANTITY		DATE SHIPPED	
A02300		04/30/07			
WEIGHT SHIPPED		NO. OF PIECES		SUBMIT CONTRACT NO.	
5,740		4			

CERTIFICATION
ALCAN Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on ALCAN Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination.

ALCAN ROLLED PRODUCTS

P.O. BOX 88

RAVENSWOOD, NY 05184 USA

USDA & S&P - Quality Manager

LOT NUMBER	TEST DIRECTION	NO. OF TESTS	ULTIMATE TENSILE STRENGTH (KSI)		YIELD STRENGTH (KSI)		ELONGATION %		COND % (ACS)											
			MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX										
ACTUAL CHEMICAL COMPOSITION																				
350431 C SI= 0.06 FE= 0.16 CU= 1.42 MN= 0.01 MG= 2.52 CR= 0.19 ZN= 5.42 TI= 0.03 OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER																				
THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.																				
CHEMISTRY BY OES: ARMS-PARK																				
CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT.																				
WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399.																				
WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8: 8557.																				
"END OF CERTIFICATION"																				
PHYSICAL PROPERTIES	ALLOY	SILICON		IRON		COPPER		MANGANESE		MAGNESIUM		CHROMIUM		ZINC		TITANIUM		OTHERS		
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	
	SEE ACTUAL CHEMICAL COMPOSITION																			
	ALUMINUM REMAINDER																			

P-000-15007 (100)